



## Corrigendum

# Corrigendum to: “HAN and ADN as liquid ionic monopropellants: Thermal and catalytic decomposition processes” [Appl. Catal. B: Environ. 127 (2012) 121–128]



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## ARTICLE INFO

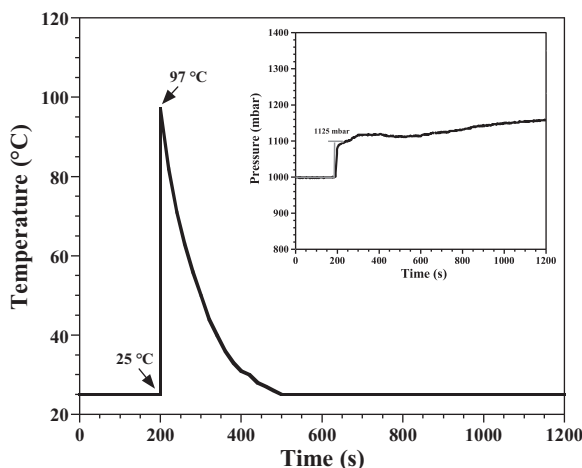
## Article history:

Received 24 March 2014

Accepted 27 March 2014

Available online 29 April 2014

In the article [Appl. Catal. B: Environ. 127 (2012) 121–128] there exists a number of errors. The correct and final version follows (Figs. 1, 2, 3, 6, 7, 8, Tables 2 and 3). The authors would like to apologize for any inconvenience caused.



**Fig. 1 = Fig. 8a.** Catalytic decomposition of binary HAN<sub>95%</sub> aqueous solution in the batch reactor, catalyst: (10%)Ir/Al<sub>2</sub>O<sub>3</sub>-La<sub>2</sub>O<sub>3</sub>.

DOI of original article: <http://dx.doi.org/10.1016/j.apcatb.2012.08.009>.

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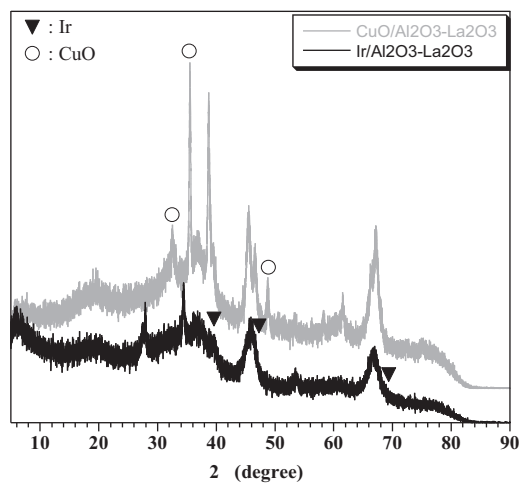


Fig. 2. XRD patterns of Ir-based and CuO-based catalysts.

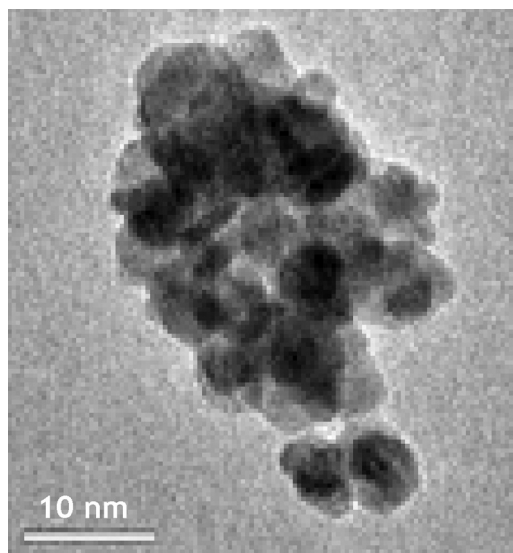


Fig. 3. TEM image of: (b) CuO-based catalyst.

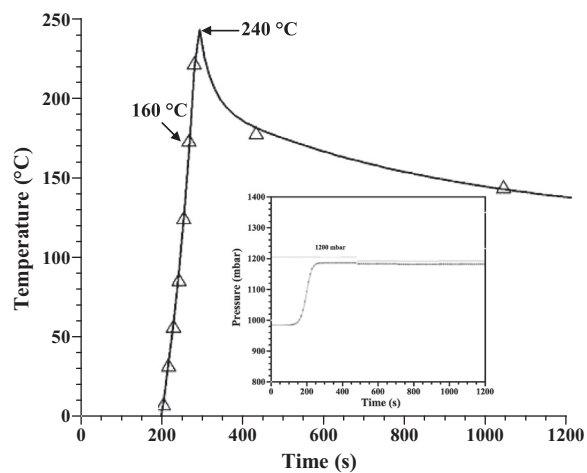


Fig. 6. Thermal decomposition of binary: (a) HAN<sub>95%</sub>.

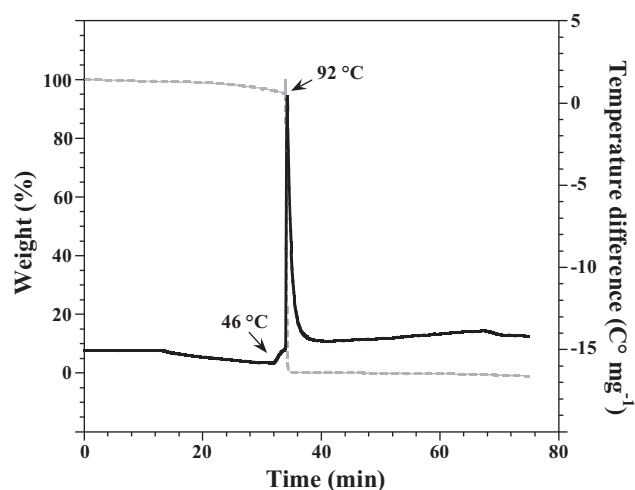


Fig. 7. Catalytic decomposition of binary: (a) HAN<sub>95%</sub>.

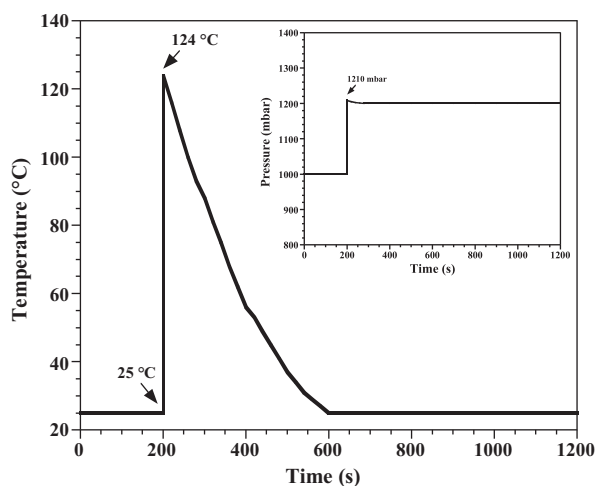


Fig. 8. Catalytic decomposition of binary: (b) ADN<sub>75%</sub> (CuO-based catalyst).

**Table 2**

Experimental data after thermal decomposition processes of binary HAN.

	HAN-water
$T_{dec}$ batch reactor (°C)	160
$T_{gas}$ (°C)	240
$\Delta P$ (mbar)	200
Rate (mbar s <sup>-1</sup> )	200
$n_{gas}$ (mmol)	1.71
$n_{gas}/n_{propellant}$	2.14

**Table 3**

Experimental data after catalytic decomposition processes of binary HAN and ADN mixtures.

	HAN-water	ADN-water
$T_{dec}$ batch reactor (°C)	25	25
$T_{gas}$ (°C)	97	124
$\Delta P$ (mbar)	125	210
Rate (mbar s <sup>-1</sup> )	125	105
$n_{gas}$ (mmol)	3.25	6.87
$n_{gas}/n_{propellant}$	4.06	28.6

The references [17] and [18] should be deleted from the paper.

The final conclusions were not influenced by the corrections.

## Acknowledgements

All authors would like to thank also the University of Poitiers (France) for IC2MP-JAXA agreement and the “Physical measurement” pole of the same university for their help during this work.